



2000 Toxics Release Inventory

IOWA

Reported Releases and Waste Management Activities (in pounds)

	Original Industry	New Industry	Total
On-site Releases	26,543,509	9,245,348	35,788,857
Air Emissions	19,588,920	4,191,100	23,780,019
Surface Water Discharges	5,595,938	1,956	5,597,894
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	405,655	0	405,655
Other On-site Land Releases	952,996	5,052,292	6,005,288
Off-site Releases (Transfers Off-site to Disposal)*	7,041,291	595,390	7,636,681
Total On- and Off-site Releases	33,584,800	9,840,738	43,425,537
Recycled On-site	303,003,836	32,807	303,036,643
Recycled Off-site	35,866,545	274,101	36,140,646
Energy Recovery On-site	1,265,308	0	1,265,308
Energy Recovery Off-site	4,105,748	77,026	4,182,774
Treated On-site	42,301,545	248,180	42,549,725
Treated Off-site**	11,041,147	2,603	11,043,750
Quantity Released On- and Off-site***	39,852,593	9,644,720	49,497,313
Total Production-related Waste Managed	437,436,722	10,279,437	447,716,159
Non-production-related Waste Managed	24,978	1,260	26,238

Transfers Off-site for Further Waste Management/Disposal

Recycling	40,829,616	274,101	41,103,717
Energy Recovery	3,884,753	77,024	3,961,777
Treatment	3,059,331	2,603	3,061,934
Publicly Owned Treatment Works (POTWs)	8,028,669	0	8,028,669
Metals and Metal Compounds*	114,370	0	114,370
Non-metal TRI Chemicals**	7,914,299	0	7,914,299
Other Off-site Transfers****	0	0	0
Transfers Off-site to Disposal (not including metals to POTWs)	14,170,976	595,402	14,766,378
Total Transfers Off-site for Further Waste Management/Disposal	69,973,346	949,130	70,922,476

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

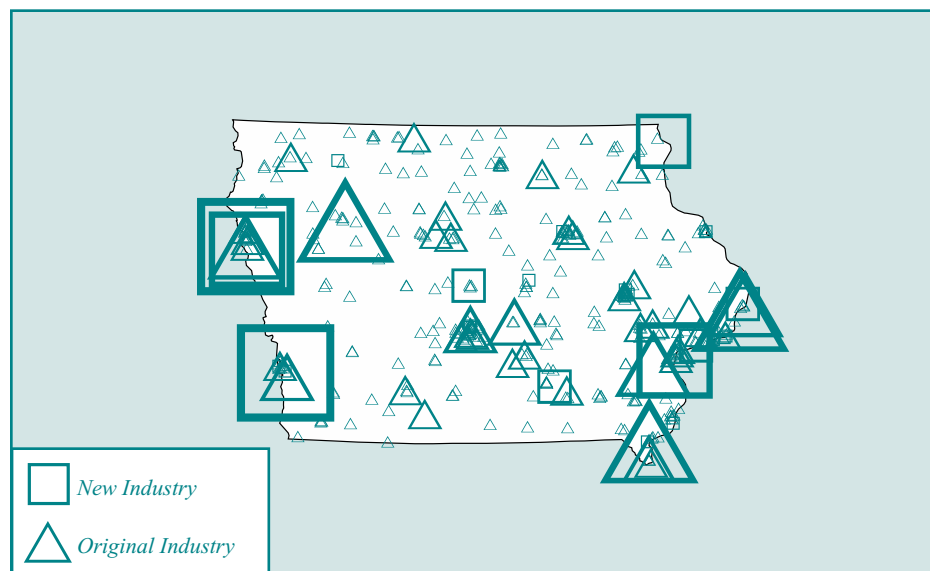
State Contact

Cal Lundberg, Supervisor
900 E. Grand Avenue
Des Moines, IA 50319
(515) 281-7040
Fax: (515) 281-8895
cal.lundberg@dnr.state.ia.us

EPA Contact

Stephen Wurtz
USEPA Region 7 (ARID/CRIB)
901 North 5th Street
Kansas City, KS 66101
(913) 551- 7315
wurtz.stephen@epa.gov

To obtain TRI data use
assistance, call TRI User
Support Service (TRI-US):
(202) 566-0250
Fax: (202) 401-2347
tri.us@epa.gov



The largest marker in the state map represents the largest facility for on-site releases in the state of Iowa. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	2,927,509
Square Miles	55,875
Total Facilities	434
Total Forms	1,493
Form As	208

	Original Industry	New Industry	Total
National Rank for Total On- and Off-site Releases*			
Rank	24	37	32
Pounds	33,584,800	9,840,738	43,425,537
National Rank for Total On-site Releases**			
Rank	24	35	31
Pounds	26,543,509	9,245,348	35,788,857
National Rank for Total Releases within State***			
Rank	27	37	33
Pounds	29,051,193	9,848,632	38,899,824
National Rank for Production-related Waste Managed			
Rank	16	42	23
Pounds	437,436,722	10,279,437	447,716,159

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



2000 Toxics Release Inventory

IOWA

On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Zinc compounds	72,788	4,683	0	174,813	7,846,274	8,098,558	54,882	192,199	7,654,087
—	Nitrate compounds	16,280	5,171,791	0	27,000	239,926	5,454,997	2,456	234,584	5,342
—	Barium compounds	116,772	228	0	3,617,025	1,471,128	5,205,153	1,238	862,914	608,214
7664-41-7	Ammonia	4,200,340	132,120	0	1,500	155,001	4,488,961	9,664	154,995	6
7647-01-0	Hydrochloric acid	3,421,055	0	0	0	0	3,421,055	0	0	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Polycyclic aromatic compounds	34,449.11	0.00	0.00	0.00	5,598.89	40,048.01	97.16	5,598.89	0.00
—	Mercury compounds	2,218.87	1.00	0.00	129.90	658.42	3,008.19	3.20	283.47	375.35
1582-09-8	Trifluralin	1,092.80	0.00	0.00	0.00	260.00	1,352.80	0.00	0.00	260.00
191-24-2	Benzo(g,h,i)perylene	824.91	0.00	0.00	0.00	44.00	868.91	4.86	44.00	0.00
1336-36-3	Polychlorinated biphenyls (PCBs)	0.00	0.00	0.00	0.00	682.00	682.00	0.00	0.00	682.00
40487-42-1	Pendimethalin	667.00	0.00	0.00	0.00	0.00	667.00	0.00	0.00	0.00
7439-97-6	Mercury	529.65	0.00	0.00	16.28	10.57	556.50	0.00	6.57	4.00
118-74-1	Hexachlorobenzene	60.00	0.00	0.00	0.00	0.00	60.00	0.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.11	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>50.963</i>	<i>0.000</i>	<i>0.000</i>	<i>0.040</i>	<i>0.010</i>	<i>51.013</i>	<i>0.000</i>	<i>0.010</i>	<i>0.000</i>
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
79-94-7	Tetrabromobisphenol A	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

*** No reports were submitted for these chemicals.



2000 Toxics Release Inventory

IOWA

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
IBP Inc. Wastewater Treatment Plant, Storm Lake, Buena Vista	5	2,600,250	0	0	0	0	2,600,255	2,500	250
Climax Molybdenum Co., Fort Madison, Lee	2,415,000	4,250	0	0	0	750	2,420,000	0	0
Midamerican Energy Co. Council Bluffs Energy Center, Council Bluffs, Pottawattamie	550,889	865	0	0	0	1,652,206	2,203,960	0	0
Equistar Chemicals L.P. Clinton Plant, Clinton, Clinton	2,032,205	0	0	0	0	0	2,032,205	83	36,000
Midamerican Energy Co. George Neal North, Sergeant Bluff, Woodbury	565,842	788	0	0	0	1,429,831	1,996,461	0	197
Midamerican Energy Co. - Louisa Generating Station, Muscatine, Louisa	441,411	289	0	0	0	1,023,987	1,465,687	0	0
IBP Inc., Columbus Junction, Louisa	16,425	1,410,500	0	0	0	250	1,427,175	0	250
Midamerican Energy Co. George Neal South, Salix, Woodbury	428,432	0	0	0	0	893,087	1,321,518	0	0
ADM Corn Processing, Clinton, Clinton	918,681	223,591	0	0	0	0	1,142,272	199,454	0
Terra Nitrogen, Sergeant Bluff, Woodbury	966,270	107,955	0	0	0	250	1,074,475	0	0

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
AG Processing Inc., Mason City, Cerro Gordo	14,150.00	0.00	0.00	0.00	0.00	0.00	14,150.00	0.00	0.00
AG Processing Inc. A Cooperative, Manning, Carroll	13,140.00	0.00	0.00	0.00	0.00	0.00	13,140.00	0.00	0.00
AG Processing Inc., Sheldon, Obrien	4,852.00	0.00	0.00	0.00	0.00	0.00	4,852.00	0.00	0.00
3M, Knoxville, Marion	1,800.00	0.00	0.00	0.00	0.00	0.00	1,800.00	0.00	0.00
Helena Chemical Co., Des Moines, Polk	967.00	0.00	0.00	0.00	0.00	0.00	967.00	0.00	0.00
Maytag Newton Laundry Prods. Pl2, Newton, Jasper	790.00	0.00	0.00	0.00	0.00	0.00	790.00	0.00	0.00
Van Diest Supply Co., Webster City, Hamilton	782.00	0.00	0.00	0.00	0.00	0.00	782.00	0.00	0.00
Midamerican Energy Co. Council Bluffs Energy Center, Council Bluffs, Pottawattamie	331.90	0.00	0.00	0.00	0.00	32.20	364.10	0.00	0.00
Midamerican Energy Co. George Neal North, Sergeant Bluff, Woodbury	331.00	0.00	0.00	0.00	0.00	28.00	359.00	0.00	0.00
Elkem Carbon Keokuk, Keokuk, Lee	330.00	0.00	0.00	0.00	0.00	0.00	330.00	5,000.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



2000 Toxics Release Inventory

IOWA

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Ipsco Steel Inc., Muscatine, Muscatine	0	0	0	0	0	0	6,804,355	6,804,355	0
IBP Inc. Wastewater Treatment Plant, Storm Lake, Buena Vista	0	0	0	0	767,000	0	2,604,530	3,371,530	0
Climax Molybdenum Co., Fort Madison, Lee	0	0	0	0	100,000	0	2,440,000	2,540,000	0
Midamerican Energy Co. Council Bluffs Energy Center, Council Bluffs, Pottawattamie	0	0	0	0	0	0	2,203,962	2,203,962	0
Equistar Chemicals L.P. Clinton Plant, Clinton, Clinton	0	0	0	989,987	7,853,147	46,183	1,999,714	10,889,031	0
Midamerican Energy Co. George Neal North, Sergeant Bluff, Woodbury	0	0	0	0	0	0	1,996,658	1,996,658	0
North Star Recycling, Wiltonjunction, Muscatine	0	0	0	0	0	0	1,687,637	1,687,637	0
Nulex Inc., Sergeant Bluff, Woodbury	2,939,000	0	0	0	6,808,000	0	1,471,920	11,218,920	0
Midamerican Energy Co. - Louisa Generating Station, Muscatine, Louisa	0	0	0	0	0	0	1,465,691	1,465,691	0
IBP Inc., Columbus Junction, Louisa	0	1,720	0	0	108,000	0	1,417,200	1,526,920	280

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
AG Processing Inc., Mason City, Cerro Gordo	0	0	0	0	0	0	14,150	14,150	0
AG Processing Inc. A Cooperative, Manning, Carroll	0	0	0	0	0	0	13,140	13,140	0
AG Processing Inc., Sheldon, Obrien	0	0	0	0	0	0	4,852	4,852	0
3M, Knoxville, Marion	0	0	0	0	0	0	1,800	1,800	0
Helena Chemical Co., Des Moines, Polk	0	0	0	0	0	30,821	967	31,788	0
Maytag Newton Laundry Prods. Pl2, Newton, Jasper	0	0	0	0	0	0	800	800	0
Van Diest Supply Co., Webster City, Hamilton	0	0	0	0	0	5,966	782	6,748	0
North Star Recycling, Wiltonjunction, Muscatine	0	0	0	0	0	0	570	570	0
Firestone Agricultural Tire Co., Des Moines, Polk	28	764	0	373	0	0	550	1,715	0
Midamerican Energy Co. Council Bluffs Energy Center, Council Bluffs, Pottawattamie	0	0	0	0	0	0	364	364	0

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.